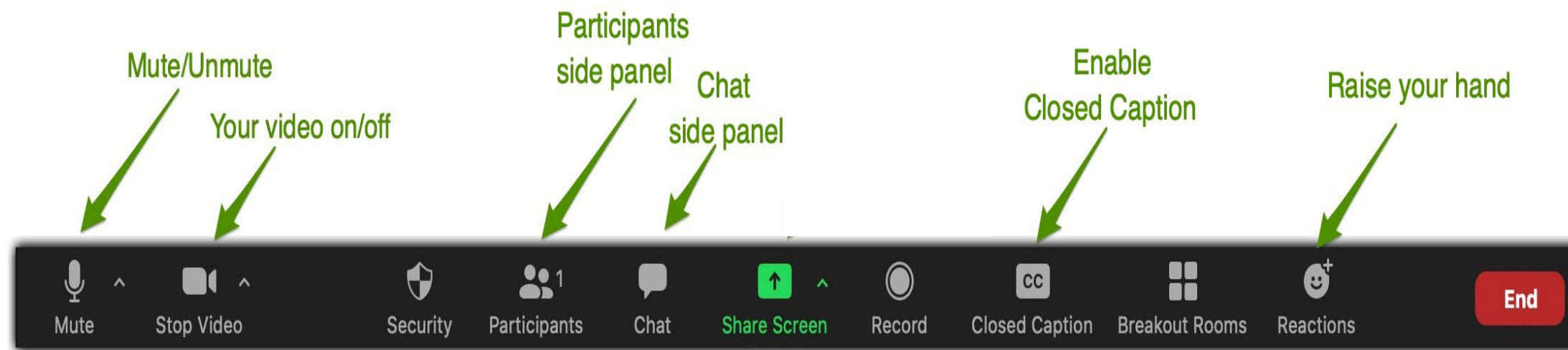


Zoom navigation and accessibility

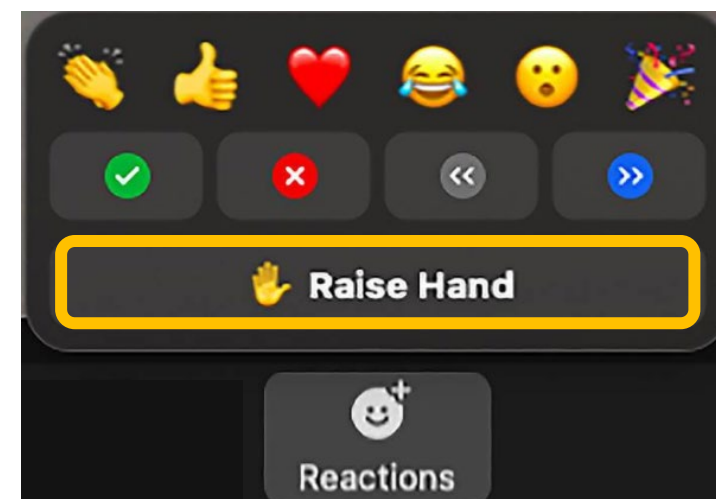


Calling by phone?

***6 - Mute/unmute**

***9 - Raise/lower hand**

Need help? Chat with us!





DEPARTMENT OF
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State of Washington

Phase I & Western WA Phase II Municipal Stormwater Permits

Water Quality Program

Abbey Stockwell & Amy Waterman

Welcome!

To-do

- Quick permit overview
 - Reissuance next steps
- Permit reissuance - Western WA focus
 - Preliminary Draft
- Breaks built in 😊
- Hear from you



Municipal Stormwater Permits

Phase I

(Issued 1995,
reissued 2007, 2012, 2019)

- King, Snohomish, Pierce & Clark counties; Seattle & Tacoma

Western WA Phase II

(Issued 2007,
reissued 2012, 2019)

- 83 cities and parts of 5 counties

Eastern WA Phase II

(Issued 2007,
reissued 2012, 2019)

- 19 cities and parts of 6 counties

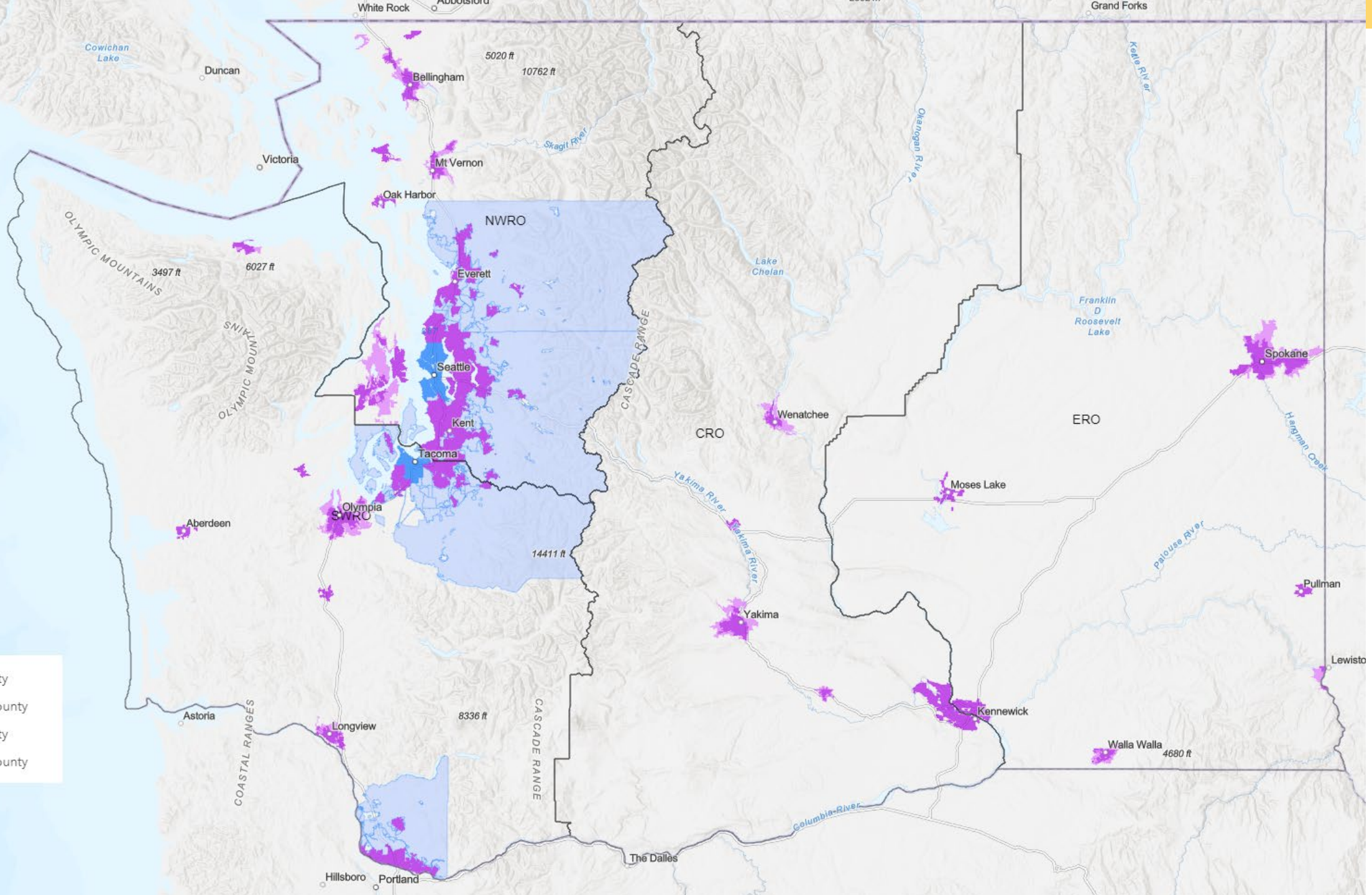
**All three permits include
Secondary Permittees**

- 47 Secondaries – Ports, Schools, Irrigation Districts, etc.

So, what is regulated?

- Discharges from publicly owned Municipal Separate Storm Sewer Systems (MS4s).
- Including:
 - ✓ Roads with drainage systems
 - ✓ Municipal streets
 - ✓ Catch basins
 - ✓ Curbs and gutters
 - ✓ Ditches and other man-made channels
 - ✓ Storm drains





Stormwater Management Program



Stormwater Planning

Mapping

Public Education & Outreach

Public Involvement

Illicit Discharges Detection & Elimination (IDDE)

Controlling Runoff from New Development

Operations & Maintenance (O&M)

Structural Stormwater Controls & Stormwater Controls for priority developed areas

Source Control for existing development

Monitoring & Assessment

Total Maximum Daily Loads (TMDLs)



Reissuance Timeline

Where we're headed next



Structural Stormwater Program (SSC) Overview

- Applies to Phase I cities & counties
- Purpose is to prevent or reduce negative impacts from MS4 discharges and address:
 - Disturbances to watershed hydrology and discharges of pollutants
 - Areas of existing development, including roadways
 - Areas of new development to prevent anticipated future impacts



SSC Program History

2007 – 2012 Permit: Phase I only

- Required a project planning process
- Identified qualifying and non-qualifying project types
- Required annual reporting of a project list

2013 – 2018 Permit: Phase I only

- Added Appendix 11 reporting format
- Introduced metrics to be reported
- Adjusted project types

2019 - 2024 Permit

- Introduced retrofit point system and level of effort

2024 Permit SSC Preliminary Draft Development

- TAC conducted review of available science: SSC Science Synthesis Report, June 2021
- PAC met from May to December 2022; report issued in December
- Public release February 23 for 30-day comment period until March 23, 2023.



Preliminary Draft SSC Proposal

Updates existing
Structural Stormwater
Controls (SSC) permit
framework

Stormwater Project Area x Project Benefits =
Program Points



Phase I Update Goals

Incentivizing:

- Flow control
- Runoff treatment
- \$\$\$ Maintenance
- Low Impact Development
- Watershed collaboration





Phase I SSC Preliminary Draft Changes

- Raising the number of Program points
- Increasing multipliers and setting minimum for structural stormwater facilities
- Changing sweeping multiplier
- Simplifying reporting for small projects
- Adding watershed collaboration

Changes to Program Points

- In 2019 Permit, 300 SSC Program Points required.
- Preliminary draft raises SSC Program Points to 500.
- Also proposing to change ratio:
300 design stage project points
200 complete or maintenance stage points



Incentivizing Structural Stormwater Facilities

- Doubling multipliers for structural stormwater facilities.
- Also doubling multipliers for known WQ (HPGA) or flow control problem areas, enhanced or phosphorus treatment, meeting WQ standards.
- Minimum number of structural stormwater facility Project Points: 150 points.



Sweeping

- Sweeping preliminary draft proposes minimum sweeping requirements- 3x a year; at least one before October 1.
- This preliminary draft proposing to decrease multiplier for sweeping from 0.25 to 0.1.
- Sweeping coverage can be reported in curb miles or acreage.





Small Projects and LID

- Draft proposes simpler reporting on projects under one acre.
- No need to calculate equivalent area – full basin can be used to calculate points.
- Remember that if project has LID, runoff treatment, and flow control benefits, all multipliers can be used and points added.

Changes to Project Types

- Changing 11, “Other action...” to Sweeping and Line Cleaning
- Adding **Watershed Collaboration**:
 - During planning, points to each participant.
 - For implementation, points awarded to participants based on project type, with additional watershed collaboration multiplier (1.5).

Qualifying Project Types

1. New flow control facility
2. New runoff treatment facility (or treatment and flow control facility)
3. New LID BMPs
4. Retrofit of existing treatment and/or flow control facility
5. Property acquisition
6. Maintenance with capital construction costs \geq \$25,000
7. Restoration of riparian buffer
8. Restoration of forest cover
9. Floodplain reconnection projects
10. Removal of impervious surfaces
- ~~11. Other actions to address stormwater runoff into or from the MS4 not otherwise required in S5.C~~
- Sweeping and Line Cleaning**
- 12. Watershed Collaboration**

Questions & discussion



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Break

We are taking a short break.

The workshop will resume shortly.

Please check the chat to see what time the workshop will resume.

New Program Requirement for Phase II

Stormwater Control for priority developed areas

- Strategic Investments – leverage SMAP
- Opportunistic projects – modeled after Phase I SSC





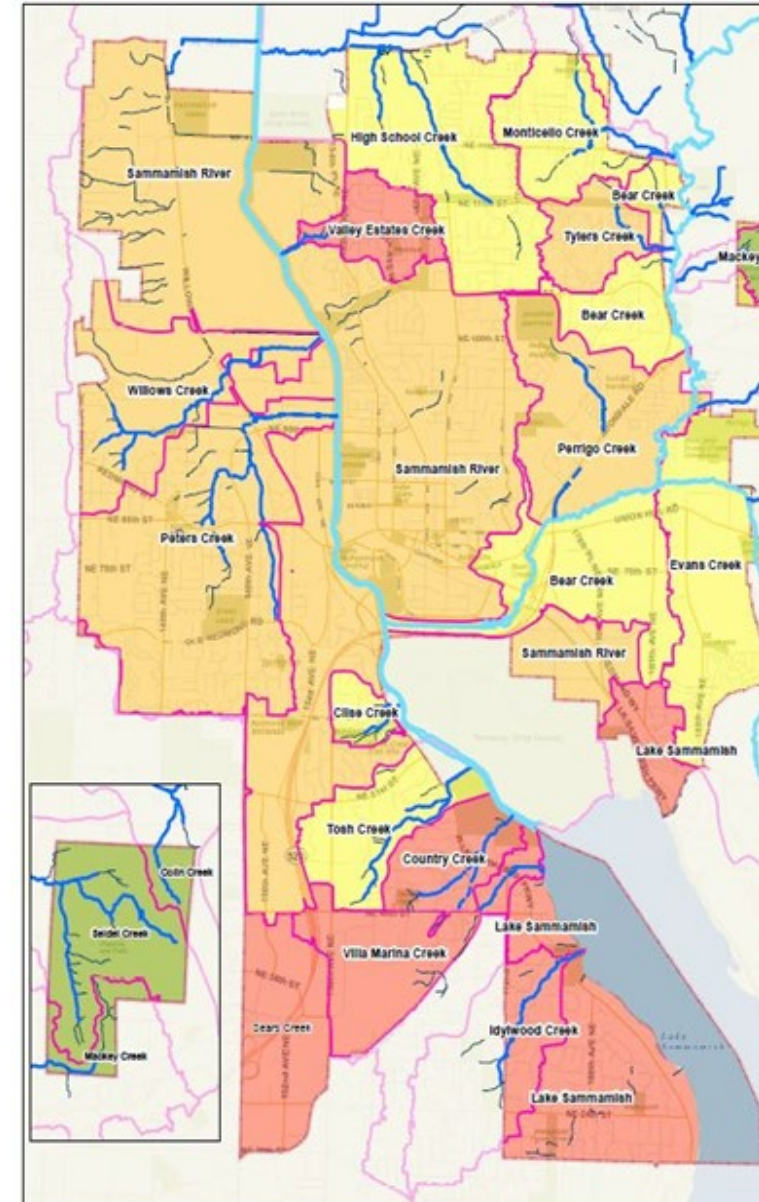
Stormwater Management Action Plan (SMAP)

- Three components:
 - Receiving water assessment
 - Receiving water prioritization
 - SMAP for a high priority basin

Receiving water basin prioritization

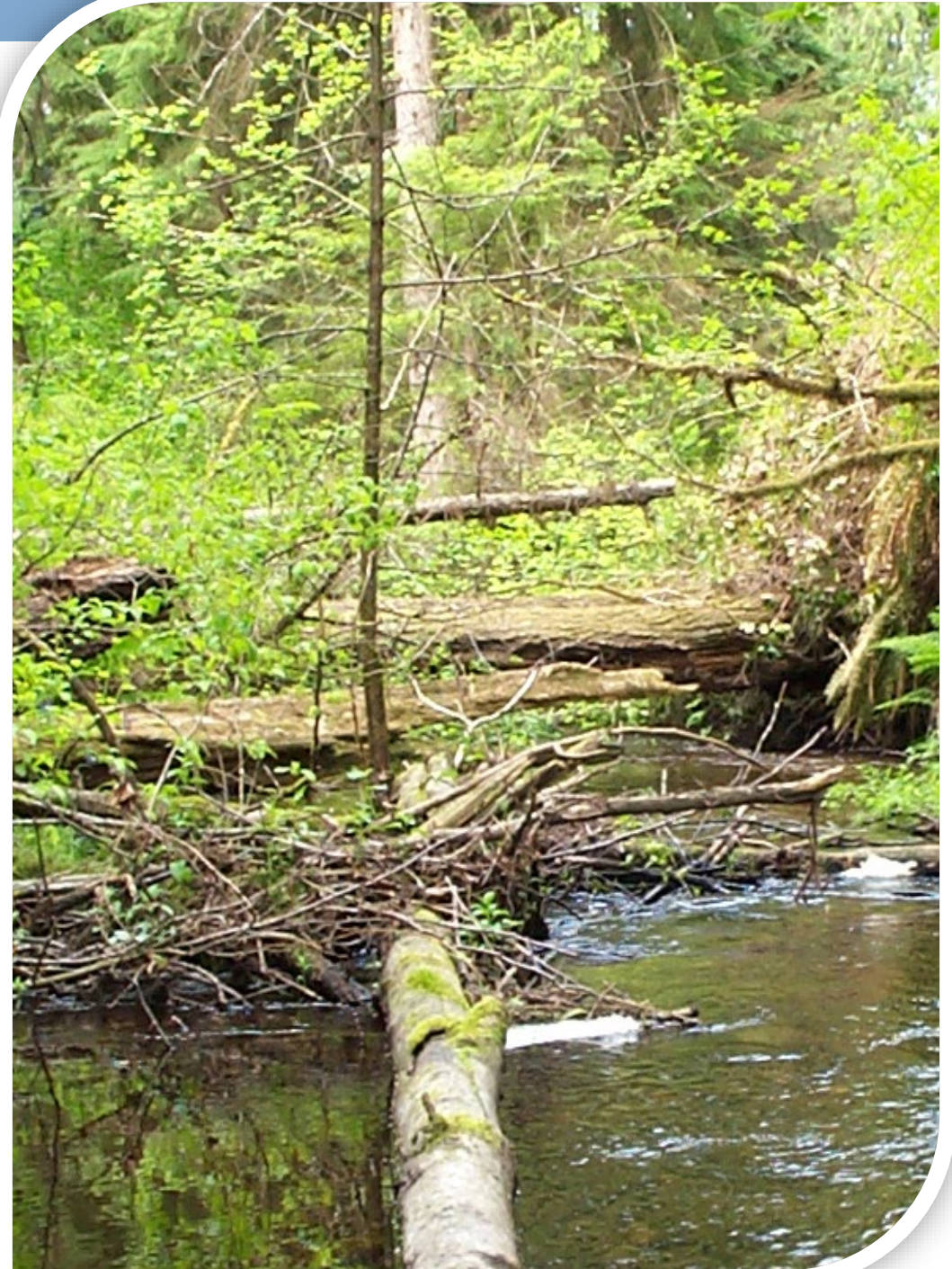
Establish process to prioritize basins for:

- Stormwater retrofits
- Tailored SW Mgt. strategies
 - Land management/development strategies and/or actions identified for water quality management.
 - IDDE field screening,
 - Prioritization of Source Control inspections,
 - O&M inspections or enhanced maintenance, or
 - Public Education and Outreach behavior change programs.



Stormwater Management Action Plan

- Shorter-term goals
 - Implementable in 0-6 yrs
 - e.g. Ed & outreach campaign
- Longer-term goals
 - Implementable in 7-20 yrs
 - e.g. Comp. plan updates
 - e.g. Regional facility planning
- Adaptive Management
 - Feedback loop



New Program Requirement for Phase II

Stormwater Control for priority developed areas

- Scaled for Phase II
 - Range of Ph II Communities
- Level of Effort
 - 5 acres managed/50,000 population
 - “Simplified”



Level of Effort

- Based on Equivalent Area
 - Comparable projects
 - Simplified reporting – but with some limits
 - Non-structural BMPs needs adaption



Equivalent Area

SUPER SIMPLE Overview

1. Determine **total area** draining to BMP
2. **WWHM** to determine required capacity to meet Low Impact Development (LID), Runoff treatment (RT), or Flow control (FC) per **new or redevelopment standards (App 1)**
3. Determine LID, RT or FC capacity of installed BMP and divide by WWHM results = LID, RT or FC benefit **Ratio**
4. Multiply benefit **Ratio** by **total area** = **Equivalent Area**



Level of Effort

- Scaled: min. 0.3- max. 15 acres
- Timeframe: 1 year before permit is effective to end of permit cycle
- Regional collaboration

Table 1: Proposed level of effort for Phase II Permittees.

| PERMITTEE | POPULATION | PROPOSED ASSIGNED EQUIVALENT ACRES BASED ON 5 ACRES/50,000 POP. |
|-----------------------|------------|---|
| CITY OF MEDINA | 2,915 | 0.3 |
| CITY OF CLYDE HILL | 3,126 | 0.3 |
| CITY OF ALGONA | 3,290 | 0.3 |
| CITY OF GRANITE FALLS | 4,450 | 0.4 |
| CITY OF BLACK DIAMOND | 4,697 | 0.5 |
| CITY OF BRIER | 6,560 | 0.7 |
| CITY OF STEILACOOM | 6,727 | 0.7 |
| CITY OF NORMANDY PARK | 6,771 | 0.7 |
| CITY OF FIRCREST | 7,156 | 0.7 |
| CITY OF PACIFIC | 7,235 | 0.7 |
| CITY OF DUVALL | 8,034 | 0.8 |
| CITY OF MILTON | 8,697 | 0.9 |
| CITY OF ORTING | 9,041 | 0.9 |
| CITY OF BURLINGTON | 9,152 | 0.9 |
| CITY OF SNOHOMISH | 10,126 | 1.0 |

| PERMITTEE | POPULATION | PROPOSED ASSIGNED EQUIVALENT ACRES BASED ON 5 ACRES/50,000 POP. |
|----------------------------|------------|---|
| CITY OF OLYMPIA | 55,382 | 5.5 |
| CITY OF SHORELINE | 58,608 | 5.9 |
| CITY OF LAKEWOOD | 63,612 | 6.4 |
| CITY OF SAMMAMISH | 67,455 | 6.7 |
| CITY OF MARYSVILLE | 70,714 | 7.1 |
| CITY OF REDMOND | 73,256 | 7.3 |
| COUNTY OF KITSAP | 74,623 | 7.5 |
| CITY OF AUBURN | 87,256 | 8.7 |
| CITY OF BELLINGHAM | 91,482 | 9.1 |
| CITY OF KIRKLAND | 92,175 | 9.2 |
| CITY OF FEDERAL WAY | 101,030 | 10.1 |
| CITY OF RENTON | 106,785 | 10.7 |
| CITY OF EVERETT | 110,629 | 11.1 |
| CITY OF KENT | 136,588 | 13.7 |
| CITY OF BELLEVUE | 151,854 | 15 |
| CITY OF VANCOUVER | 190,915 | 15 |

Regional Collaboration

- Minimum effort in own jurisdiction
- Regional goal = total assigned acres
- Common receiving water
- Interlocal agreements



Public Comment Form

1 Comment

2 Review

3 Your Copy

Commenting open: **February 23, 2023 12:00AM PT - March 23, 2023 11:59PM PT.**

2023 Phase I & Phase II Preliminary Drafts Informal Comment Period

We are asking for your early input on the following **Preliminary Drafts** for the 2024 Western Washington Municipal Stormwater Permits reissuance:

- Phase I, Structural Stormwater Controls Program
- Western WA Municipal Stormwater Permit, Phase II, Stormwater Management for Priority Developed Areas

Municipal stormwater general permits regulate discharges from municipal stormwater systems. These drainage systems are separated from sanitary sewer systems and are owned or operated by cities, counties, and other public entities.

Please note that this comment form is for the purpose of submitting informal comments for early input to the Washington State Department of Ecology.

Commenter contact information is optional. However, contact information is necessary if you want to receive future notices related to this topic.

Contact Information

All fields are optional unless otherwise indicated.

Submitted By

Individual

Questions & discussion

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